

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference			See Notification of Transmittal of International				
SMC 602	35/WO	FOR FURTHER ACTION	Preliminary Examination Report (Form PCT-IPEA 416)				
International application No		International filing date : day monti					
PCT/GB9	9/00655	05/03/1999	31/03/1998				
International C09D11/1	Patent Classification (IPC) or r 0	ational classification and IPC					
Applicant							
Avecia Lir	nited et al.						
1. This in and is	iternational preliminary exai transmitted to the applicant	mination report has been prepare according to Article 36.	d by this International Preliminary Examining Authority				
2. This F	EPORT consists of a total of	of 5 sheets, including this covers	sheet.				
be (s	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
inese	annexes consist of a total of	on singers.					
3. This r	eport contains indications re	elating to the following items:					
	_						
	☑ Basis of the report☐ Priority						
111		opinion with regard to novelty, in	ventive step and industrial applicability				
'''	Lack of unity of inven						
v	Reasoned statement		novelty, inventive step or industrial applicability:				
VI	Certain documents of the control of the contro						
VII	Certain defects in the						
VIII		on the international application					
	mission of the demand	Data o	ficompletion of this report				
Date of Sub	ппээген үг шт аттана		· · · · · · · · · · · · · · · · · · ·				
18 10 19	3 ā	02 06	2000				
:	mailing address of the internation	nal Author	iceld officer				
preliminary	examining authority European Patent Office 0-80298 Munich	Van	de Panne V				
Tel +49 89 2399 - 0 Tx 523656 4pm s d		• • • • • • • • • • • • • • • • • • • •					
Fax +49 39 2309 4465		الإيامة "	ormation was the terminate of the control of the co				



International application No. PCT/GB99/00655

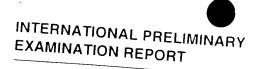
I. Basis of the report

1.	This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments):			
	Des	cription, pages:		
	1-17	7	as originally filed	
	Clai	ims, No.:		
	1-12	2	as originally filed	
0	3 71.			
2.	The	amendments have	e resulted in the cancellation of:	
		the description.	pages:	
		the claims.	Nos.:	
		the drawings.	sheets:	
3.			en established as if (some of) the amendments had not been made, since they have been beyond the disclosure as filed (Rule 70.2(c)):	
4.	Add	litional observations	s, if necessary:	

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)		Claims	1-12
Inventive step (IS)		Claims Claims	1-12
Industrial applicability (IA)	Yes: No:	Claims Claims	1-12

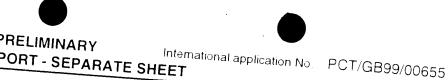




International application No. PCT/GB99/00655

2. Citations and explanations

see separate sheet



INTERNATIONAL PRELIMINARY **EXAMINATION REPORT - SEPARATE SHEET**

I The documents cited in the search report do not disclose a composition according to any of claims 1-9 or its use in ink jet printing. The subject-matter of claims 1-12 is

The closest prior art is represented by EP-A 616 017 ("D1"), disclosing water-based ink jet inks. suitable also for use in thermal printers, which contain a water-dissipatable polyurethane with a molecular weight of at most 5000, a colorant and a water soluble organic solvent as a humectant. See D1, claims 1 and 5-11. page 11 line 11 to page 12 line 46, page 13 lines 20-33 and lines 54-56, the synthesis examples 6-10 and the working example 10. The inks provide good printing characteristics as shown in Table 9 and mentioned in lines 48-52 of page 25. The difference with compositions of the present application is that D1 does not mention the presence of a waterimmiscible solvent.

The present application does not mention why the water-immiscible solvent is added and there are no comparative examples where an ink as defined in claim 1 is compared with a similar ink lacking the water-immiscible solvent. The comparative examples C1 and C2 of the present application do not represent the prior art as exemplified by D1 and D2. The applicant suggests in his letter of 08-03-2000 that the problem is to improve the storage stability, but there is no evidence that the storage stability of the presently claimed compositions is larger than that of the compositions according to D1. There is no evidence that the water-immiscible solvent provides any particular effect and thus the problem that is to be solved by the present invention seems to be merely the preparation of a variant of the inks

It is known to add water-immiscible solvents, which have a plasticising effect, to polyurethane-containing water-based ink jet inks. see D2 claims 1 and 21-24. It is well within reach of a person skilled in the art to add a waterimmiscible (plasticising) solvent to the inks of D1. The subject-matter of the present independent claims 1 and 9-12 lacks an inventive step.

The composition of the polyurethane is not different from that of the polyurethanes of D1, and the preferred M_{w} range largely overlaps with the

INTERNATIONAL PRELIMINARY InterEXAMINATION REPORT - SEPARATE SHEET

preferred range of D1. D2 discloses the chemical incorporation of the colorant in the polyurethane (see claim 1) and the use of a colorant which is soluble in the polyurethane is an obvious modification of this idea. The percentages of the components of claim 5 are a variation of the percentages disclosed in D1: the ink properties of claims 7 and 8 do not differ significantly from those disclosed in D1. There is no evidence that the presence of benzyl alcohol has any special effect. The subject-matter of the dependent claims 2-8 thus does not add anything inventive to the subject-matter of claim 1.

Firm POT Separate Sheet 413 (1994) 1977 (48) 1997

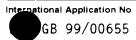


INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
SMC 60285/W0 International application No.	ACTION International filing date (day/month/year)	L (Fodiset) Priority Data (day/month/year)
	international filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 99/00655	05/03/1999	31/03/1998
Applicant ZENECA LIMITED et al.		
according to Article 18. A copy is being		thority and is transmitted to the applicant
X It is also accompanied t	ts of a total of2 sheets. by a copy of each prior art document cited in this	s report.
Basis of the report With regard to the language the	o international possets was assisted and as the land	oin of the international analysis as the
	e international search was carried out on the ba inless otherwise indicated under this item.	isis of the international application in the
the international search Authority (Rule 23.1(b))	was carried out on the basis of a translation of	the international application furnished to this
was carried out on the basis of t		nternational application, the international search
filed together with the in	ternational application in computer readable for	m.
furnished subsequently	to this Authority in written form.	
furnished subsequently	to this Authority in computer readble form.	
	ubsequently furnished written sequence listing of as filed has been furnished.	does not go beyond the disclosure in the
the statement that the ir furnished	nformation recorded in computer readable form	is identical to the written sequence listing has been
2. Certain claims were fo	ound unsearchable (See Box I).	
3. Unity of invention is la	acking (see Box II).	
4. With regard to the title ,		
	submitted by the applicant.	
	fished by this Authority to read as follows:	
COMPOSITION BASED ON	WATER-DISSIPATABLE POLYURET	HANE
5. With regard to the abstract ,		
the text has been estable	submitted by the applicant. lished. according to Rule 38.2(b), by this Author he date of mailing of this international search re	
6. The figure of the drawings to be pu	blished with the abstract is Figure No.	
as suggested by the app	plicant.	X None of the figures.
because the applicant fa	ailed to suggest a figure.	
because this figure bette	er characterizes the invention.	

. INTERNATIONAL SEARCH REPORT



			GB 99/00055		
A. CLASSIFICATION OF SUBJECT MATTER IPC 6 C09D11/10 C09D11/00					
According to	o International Patent Classification (IPC) or to both national classific	cation and IPC			
	SEARCHED				
Minimum do	ocumentation searched (classification system followed by classifical $C09D-C08G$	tion symbols)			
	tion searched other than minimum documentation to the extent that				
Electronic d	Electronic data base consulted during the international search (name of data base and, where practical, search terms used)				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.		
А	GB 2 105 735 A (KONISHIROKU PHOT 30 March 1983 see page 2, line 5 - page 3, lin example 1 see page 4, line 9 - page 5, lin see page 5, line 24-31	1-3,7, 9-13			
A	EP 0 616 017 A (CANON KK) 21 September 1994 see page 12, line 4 - page 13, l	1,2,6-13			
А	EP 0 732 381 A (DAINIPPON INK & 18 September 1996 see claims 1-16	1			
А	A EP 0 769 509 A (TEKTRONIX INC) 23 April 1997 cited in the application				
Furth	her documents are listed in the continuation of box C.	X Patent family memb	ers are listed in annex.		
"A" docume consid "E" earlier of filing d "L" docume which citation "O" docume other r	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another in or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family			
Date of the actual completion of the international search Date of mailing of the international search			ernational search report		
8	8 June 1999 17/06/1999				
Name and n	nailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer			
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo nl. Fax. (+31-70) 340-3016	Miller, A			

INTERNATIONAL SEARCH REPORT

Information n patent family members

International Application No
PC 99/00655

	tent document in search report		Publication date		atent family nember(s)		Publication date
GB	2105735	A	30-03-1983	JP DE	58045272 3233555		16-03-1983 31-03-1983
EP	0616017	A	21-09-1994	JP JP US	6264017 6279718 5696182	A	20-09-1994 04-10-1994 09-12-1997
EP	0732381	Α	18-09-1996	JP	8218015	Α	27-08-1996
EP	0769509	Α	23-04-1997	US JP	5700851 9124989	• •	23-12-1997 13-05-1997

PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

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MAYALL. John Intellectual Property Group Avecia Limited Hexagon House, P.O. Box 42 Manchester M9 8ZS GRANDE BRETAGNE

2000 אטו פֿס

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

(PCT Rule 71.1)

Date of mailing

day month year.

02 06 2000

Applicant's or agent's file reference

SMC 60285/WO

International filing date (day month year)

05/03/1999

Priority date iday month year

IMPORTANT NOTIFICATION

31/03/1998

International application No. PCT/GB99/00655

Applicant

Avecia Limited et al.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application,
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

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DATE **-5** JUN 2000 INITI

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4S ENTRY VERIFIE!

Fabiani |

Turi 44 x 89 2399 8010

Name and mailing address of the IPEA.



European Patent Office D-30298 Munich

Tel +49 89 2399 - 3 Tx 503656 -pm / 3 Fax +49 89 2399 44^{8,5}

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Keisty - please change applicants name on 21 PIS INT COOPERATION TREA STW.

	From the INTERNATIONAL BUREAU
PCT	To:
	RECENTED
	1 17 050 1055
NOTIFICATION OF THE RECORDING	The state of the s
OF A CHANGE	Intellectual Property Group
(DOT D. L. 2011; 4	Avecia Limited
(PCT Rule 92bis.1 and	Hexagon House, P.O. Box 42
Administrative Instructions, Section 422)	Blackley Manchester M9 8ZS
	ROYAUME-UNI
Date of mailing (day/month/year)	NOTADIVIE-DINI
01 September 1999 (01.09.99)	
Applicant's or agent's file reference	
•••	IMPORTANT NOTIFICATION
SMC 60285/WO	
International application No.	International filing date (day/month/year)
PCT/GB99/00655	05 March 1999 (05.03.99)
101/050010000	
1. The following indications appeared on record concerning:	
X the applicant the inventor	the agent the common representative
Name and Address	State of Nationality State of Residence
ZENECA LIMITED	GB GB
15 Stanhope Gate	Telephone No.
London W1Y 6LN	
United Kingdom	
\$	Facsimile No.
	Teleprinter No.
<u>u.</u>	
2. The International Bureau hereby notifies the applicant that t	· () =
the person X the name the ad	the nationality the residence
Name and Address	State of Nationality State of Residence
AVECIA LIMITED 15 Stanhope Gate London WTY 6LN AMERICAN CONTROL CON	Ş ≿ GB GB
15 Stanhope Gate correct address Las las	Telephone No.
15 Stanhope Gate correct address Las Las London WTY 6LN out to 18	Telephone No.
Cipred Kingdolli First o	X S
	Facsimile No.
	Teleprinter No.
3. Further observations, if necessary: Please be advised that the address of the agent	has also been modified as indicated in the
addressee box above.	and and a second as managed an area
4. A copy of this notification has been sent to:	
(V) 45	the designated Offices concerned
X the receiving Office	
the International Searching Authority	the elected Offices concerned
the International Preliminary Examining Authority	other:
	Authorized officer
The International Bureau of WIPO 34, chemin des Colombettes	Ting Zhao
1211 Geneva 20, Switzerland	
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38
1 000,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

	From the INTERNATIONAL BUREAU			
PCT	To:			
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 22 September 1999 (22.09.99)	MAYALL, John Intellectual Property Group AVECTA AVECTA AVECTA Intellectual Property Group AVECTA BE GROUN AVECTA BE GROUN BE GROUN			
Applicant's or agent's file reference				
SMC 60285/WO	IMPORTANT NOTIFICATION			
International application No.	International filing date (day/month/year)			
PCT/GB99/00655	05 March 1999 (05.03.99)			
The following indications appeared on record concerning: X the applicant	the agent the common representative			
Name and Address	State of Nationality State of Residence			
AVECIA LIMITED 15 Stanhope Gate London W1Y 6LN United Kingdom	GB GB Telephone No. Facsimile No. Teleprinter No.			
The International Bureau hereby notifies the applicant that the the person the name X the add	ress the nationality the residence			
Name and Address	State of Nationality State of Residence GB GB			
AVECIA LIMITED Hexagon House	Telephone No.			
Blackley Manchester M9 8ZS	DATE INITIALS			
United Kingdom ATA ENTERED NTO ZIP- SK REMINDER CREATER	Facsimile No.			
28 ATTORNE VERIF	Teleprinter No.			
IP-IS ENTRY VERIFIEL				
3. Further observations, if necessary:				
4. A copy of this notification has been sent to:				
X the receiving Office	the designated Offices concerned			
the International Searching Authority	the elected Offices concerned			
the International Preliminary Examining Authority	other:			
	Authorized officer			
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	H. Zhou			

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

TITLE OF INVENTION

APPLICANT

State (that is, country) of nationality

YEATES, Stephen George PO Box 42, Hexagon House

State (that is, country) of nationality

M9 8ZS

Box No. I

Box No. II

LONDON

W1Y 6LN

Composition

ZENECA Limited 15 Stanhope Gate

This person is applicant

for the purposes of:

Box No. III

Blackley

MANCHESTER

United Kingdom

This person is applicant

for the purposes of:

For recoing Office use only	
t of feet a mig a most many	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International	Application

Applicant's or agent's file reference (if desired) (12 characters maximum) SMC 60285/WO Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is also inventor. Telephone No. 0161 740 1460 Facsimile No. 0161 721 5801 Teleprinter No. 94014366 ZENSPEC State (that is, country) of residence: the States indicated in the Supplemental Box the United States all designated States except the United States of America all designated States of America only FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) State (that is, country) of residence: the States indicated in the United States of America only all designated States except the United States of America all designated the Supplemental Box Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

Box No. IV

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

GB

States

ĠB

🗶 agent

common representative

(Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country.) Name and address:

Telephone No.

MAYALL, John

0161 721 1794 Facsimile No.

Intellectual Property Group ZENECA Specialties

0161 721 5801

PO Box 42, Hexagon House Blackley, MANCHESTER United Kingdom

Teleprinter No.

M9 8ZS

94014366 ZENSPEC

Adress for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent Form PCT/RO/101 (first sheet) (July 1998)

See Notes to the request form

Sheet No. 2

Continuation of Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTORS				
If none of the following sub-boxes is used, this sheet should not be included in the request.				
Name and address: (Family name followed by given name; for a legal entitude address must include postal code and name of country. The country of the applicant's State (that is, country) of residence if no State of residen	nity, full official designation. the address indicated in this dence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality:	State (that is, country	of residence:		
		United States the States indicated in America only the Supplemental Box		
Name and address: (Family name followed by given name: for a legal entitle address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of R		This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality: GB	State (that is, country	y) of residence: GB		
This person is applicant for the purposes of: all designated the United States all designated the United States		United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of rest	tiry, full official designation. the address indicated in this idence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality:	State (that is, country	y) of residence:		
This person is applicant all designated for the purposes of:		e United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name: for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of res	sity, full official designation. the address indicated in this idence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality:	State (that is, countr			
for the purposes of: States the United S	tates of America	the United States in the States indicated in the Supplemental Box		
Further applicants and/or (further) inventors are indicated or	on another continuation sh	eet.		
Form PCT/RO/101 (continuation sheet) (July 1998)				

D 11 1/	DECICNATION OF COMPEC
Rox No.V	DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

Regional Patent

- AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State X of the Eurasian Patent Convention and of the PCT
- European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, \mathbf{x} DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- OA OAPI Patent: BF Burkina Faso, BJ Benin. CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, X GA Gabon, GN Guinea, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

Vation	nal P	atent (if other kind of protection or treatment desired,	speci	ify on	dotted line):
X		Albania	X	LS	Lesotho
X	AM	Armenia	X	LT	Lithuania
×	ΑT	Austria	X	LU	Luxembourg
X	ΑU		X	LV	Latvia
X	ΑZ	Azerbaijan	X	MD	Republic of Moldova
X	BA	Bosnia and Herzegovina	X	MG	Madagascar
×	BB	Barbados	X	MK	The former Yugoslav Republic of Macedonia
X	BG	Bulgaria			
$\overline{\mathbf{x}}$	BR		X		Mongolia
X	BY	Belarus	X	MW	Malawi
X	CA	Canada	X	MX	Mexico
X	CH:	and LI Switzerland and Liechtenstein	X	NO	Norway
X		China	X	NZ	New Zealand
X	CU	Cuba	X	PL	Poland
X	CZ	Czech Republic	X	PT	Portugal
X		Germany	X	RO	Romania
X		Denmark	X	RU	Russian Federation
X		Estonia	X	SD	Sudan
X	ES	Spain	X	SE	Sweden
X	FI	Finland	X	SG	Singapore
X .	GB	United Kingdom	X	SI	Slovenia
X	GE	Georgia	X	SK	Slovakia
X	GH	Ghana	X	SL	Sierra Leone
X	GM	Gambia	X	TJ	Tajikistan
X	GW	Guinea-Bissau	X	TM	Turkmenistan
X	HR	Croatia	X	TR	Turkey
X	HU	Hungary	X	TT	Trinidad and Tobago
X	ID	Indonesia	X		Ukraine
X	IL	Israel	X	UG	Uganda
X	IS	Iceland	X	US	United States of America
X	JP	Japan			
X	KE	Kenya	X	_	Uzbekistan
X	KG	Kyrgyzstan	X		Viet Nam
X	KP	Democratic People's Republic of Korea	M		Yugoslavia
			X		Zimbabwe
X	KR	Republic of Korea	Che	ck-bo	exes reserved for designating States (for the purposes of I patent) which have become party to the PCT after
X	ΚZ	Kazakhstan	a na issu	itiona ance	of this sheet:
X	LC	Saint Lucia	_		
X	LK	Sri Lanka	X		
X	LR	Liberia	Ш		

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- 1. If, in any of the Boxes, **the space is insufficient** to furnish all the information: in such case, write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
 - (i) **if more than two persons are involved as applicants and/or inventors** and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below:
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III. the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Box No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Box No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition." or "certificate of addition." or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application:
- (vi) if, in Box No. VI, there are **more than three earlier applications whose priority is claimed**: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI;
- (vii) if, in Box No. VI, **the earlier application is an ARIPO application**: in such case, write "Continuation of Box No. VI", specify the number of the item corresponding to that earlier application and indicate at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed.
- 2. If, with regard to the **precautionary designation statement** contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.
- 3. If the applicant claims, in respect of any designated Office, the benefits of provisions of the national law concerning **non-prejudicial disclosures or exceptions to lack of novelty**: in such case, write "Statement concerning non-prejudicial disclosures or exceptions to lack of novelty" and furnish that statement below.

Continuation of Box IV

FAWKES, David Melville KIRK, Martin John PUGSLEY, Roger Graham REVELL, Christopher SHELLER, Alan WALTERS, Stephen Terry

ALL of Intellectual Property Group, Zeneca Specialties, PO Box 42, Hexagon House, Blackley, MANCHESTER, M9 8ZS, United Kingdom.

LOCKE, Timothy John

of Intellectual Property Group, Zeneca LifeScience Molecules, PO Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN, United Kingdom.

			neet No. 5	ority claims are indicated	in the Supplemental Box.
ox No. VI PRIORITY CL			Further price	Where earlier applicati	ion is:
Filing date of earlier application (day/month/year)	Number of earlier application		national application: country	regional application:* regional Office	
em (1) 1 March 1998 31/03/1998	9806788.7		GB		
em (2)					
tem (3)					
The receiving Office is re of the earlier application purposes of the present in Where the earlier application is Convention for the Protection of Box No. VII INTERNATI	nternational s an ARIPO Industrial Pr	application is to application, it is operty for which RCHING AU	he receiving Office) identi mandatory to indicate in the that earlier application was THORITY	Supplemental Box at least filed (Rule 4.10(b)(ii)). So	- +- +bat sourch (if an earlier
Choice of International Searc (if two or more International Searc competent to carry out the inte- the Authority chosen; the two-le	ching Autho	thorities are rch. indicate	equest to use results of e arch has been carried out b ate (day/month/year)	earlier search; reference by or requested from the In Number	ce to that search (if an earlier ternational Searching Authority): Country (or regional Office)
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Box No. VIII CHECK LIS	ST; LANG	UAGE OF FIL	and emplication is accomi	panied by the item(s) ma	rked below:
This international application contains the following number of sheets:		This international application is accompanied by the item(s) marked below: 1. fee calculation sheet			
request : 05	5	2. 🗷 separat	e signed power of attorne	y	anv:
description (excluding sequence listing part) : 1	7	3. 🔲 copy o	f general power of attorne	ey; reference number, n	
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abstract :0	1	5. priorit	y document(s) identified	in Box No. VI as rem(s)	•
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Box No. IV SIGNATU	RE OF API	LICANT OR	AGENT	if such canacity	is not obvious from reading the n
BUX NO. IX STOTUTE	the name of t	ne person signing a	and the capacity in which the	person signs (ii such capacity	
Next to each signature, indicate	S.G.Yeate	s, B.H.Meyri	ck and M.Holbrook		
for ZENECA Limited S			,		
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Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application: not received: Date of timely receipt of the required corrections under PCT Article 11(2): Transmittal of search copy delayed until search fee is paid. 6. International Searching Authority (if two or more are competent): ISA / For International Bureau use only

Date of receipt of the record copy by the International Bureau:

form PCT/RO 101 (last sheet) (July 1998)

F. . ENT COOPERATION TREA

	From the INTERNATIONAL BUREAU		
PCT	To:		
NOTIFICATION OF ELECTION (PCT Rule 61.2)	Assistant Commissioner for Patents United States Patent and Trademark Office Box PCT Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE		
Date of mailing (day/month/year) 22 November 1999 (22.11.99)			
International application No. PCT/GB99/00655	Applicant's or agent's file reference SMC 60285/WO		
International filing date (day/month/year) 05 March 1999 (05.03.99)	Priority date (day/month/year) 31 March 1998 (31.03.98)		
Applicant YEATES, Stephen, George et al			
The designated Office is hereby notified of its election made X in the demand filed with the International Preliminar 18 October 19 In a notice effecting later election filed with the International Preliminar 2. The election X was was not made before the expiration of 19 months from the priority Rule 32.2(b).	y Examining Authority on: 199 (18.10.99) national Bureau on:		
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Olivia RANAIVOJAONA		

Telephone No.: (41-22) 338.83.38